

FIG. 1

Application Level

130

Protocol Analysis Framework

126

Decode Management API (DLL)

128

Default Handler  
Data/Algorithm  
(DLL) 133

Protocol Specific  
Data/Algorithm  
(DLL) 132

Protocol Specific  
Data/Algorithm  
(DLL) 132

Protocol Specific  
Data/Algorithm  
(DLL) 132

Protocol Specific  
Data/Algorithm  
(DLL) 132

Decode / Filtering Engine (DLL)

134

FIG. 2

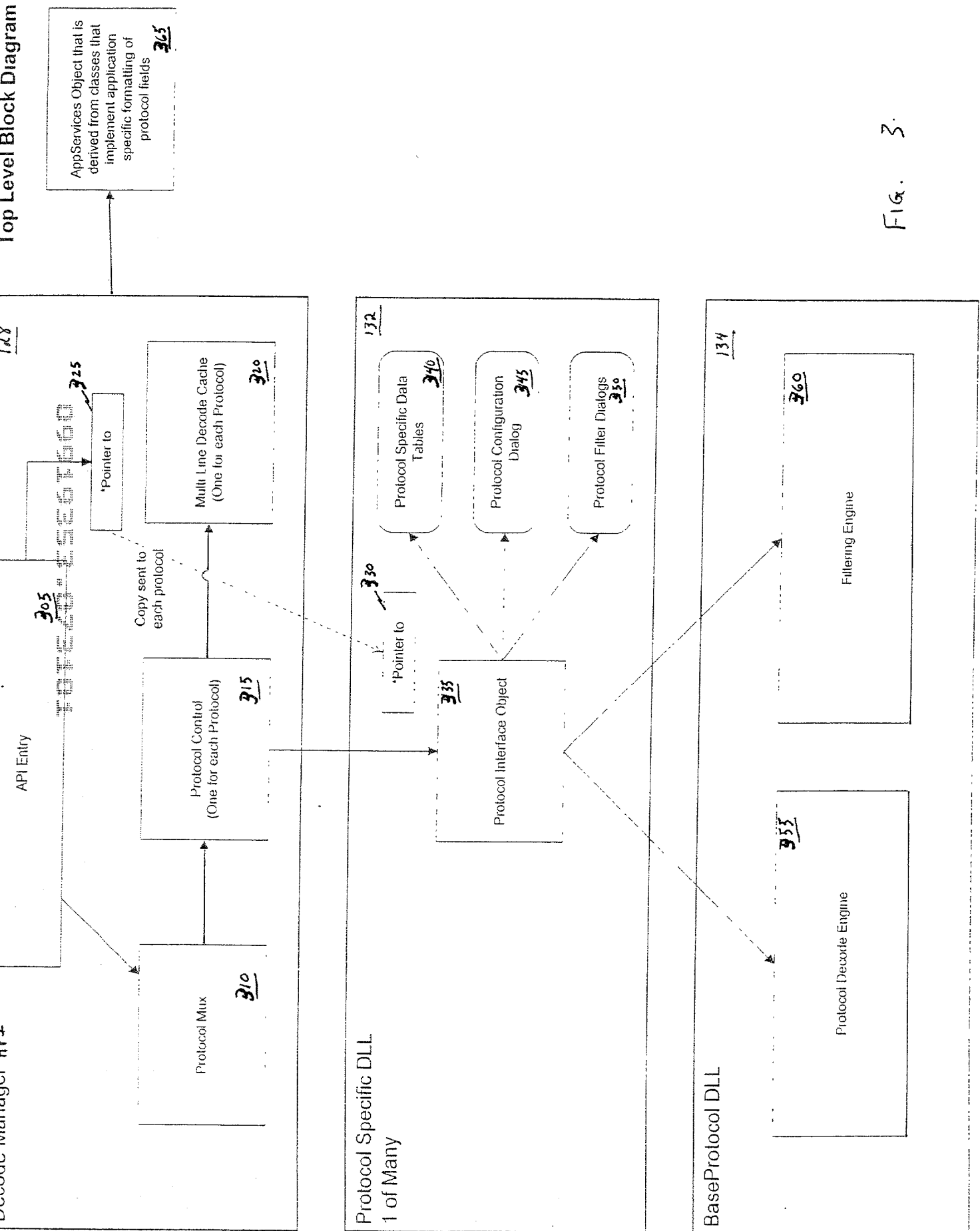


FIG. 3.

Decode Manager  
Detailed Block Diagram

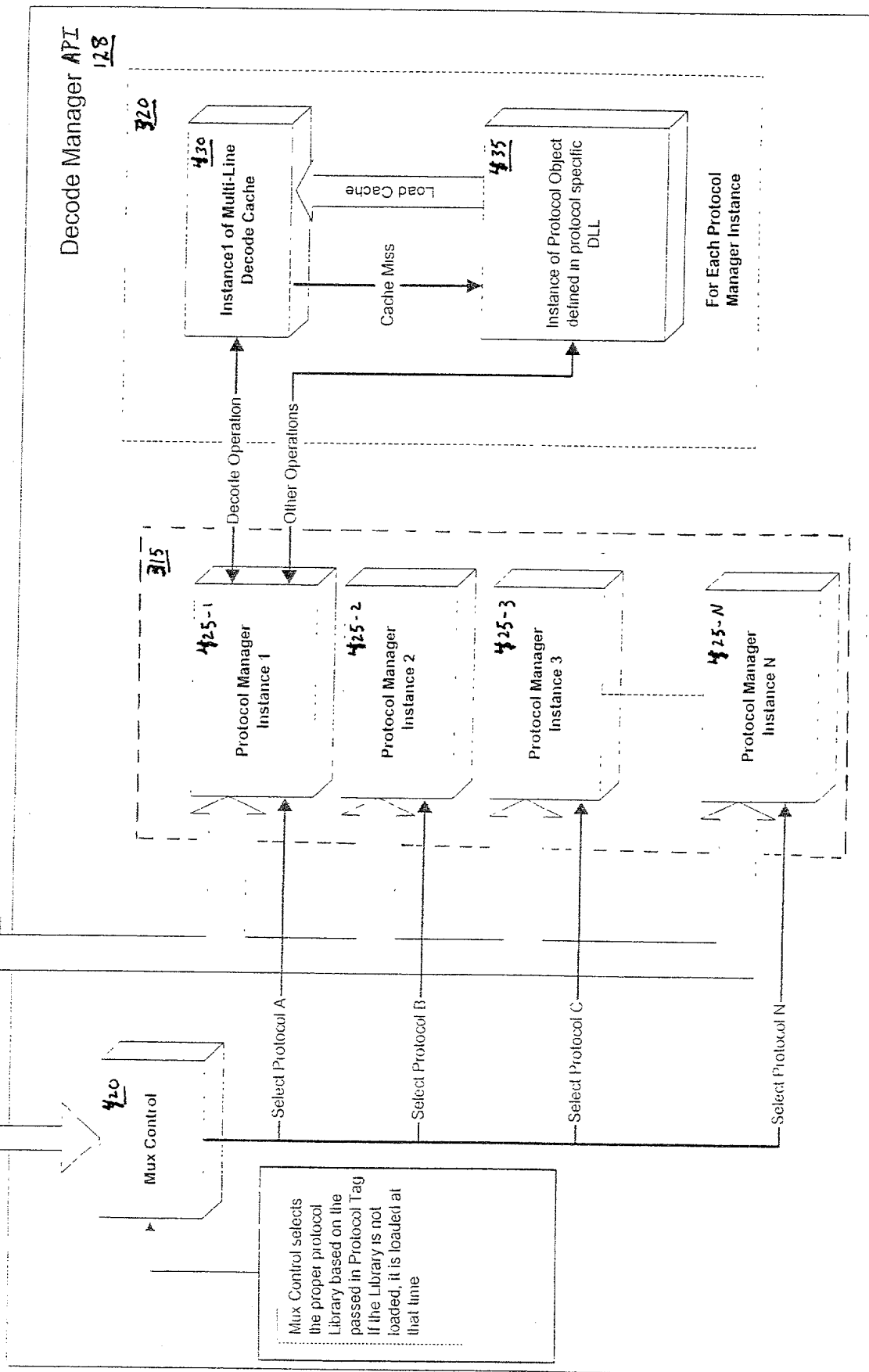


FIG. 4

API function call to library  
module routing algorithm  
flowchart

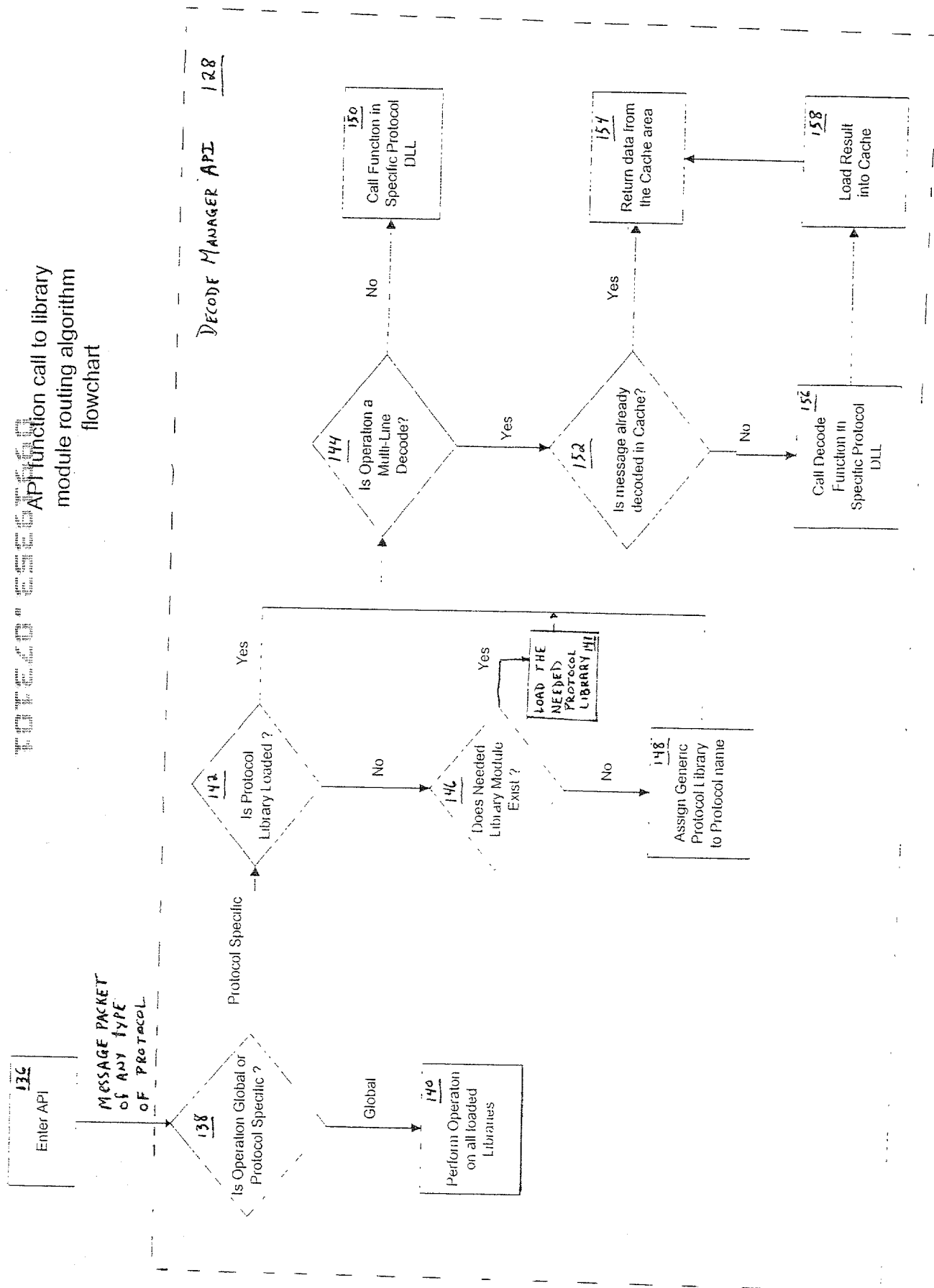


Fig. 35

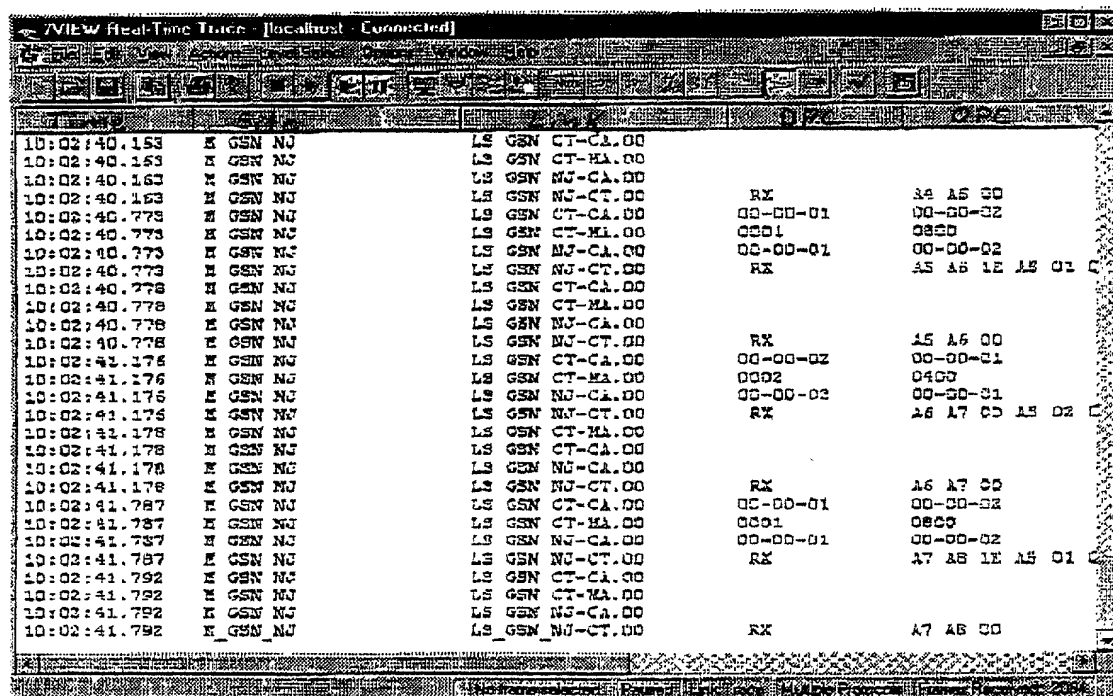


Figure 9-1. Real-Time Trace main window showing a single-line view link trace session with Layer 3 data.

FIG. 6

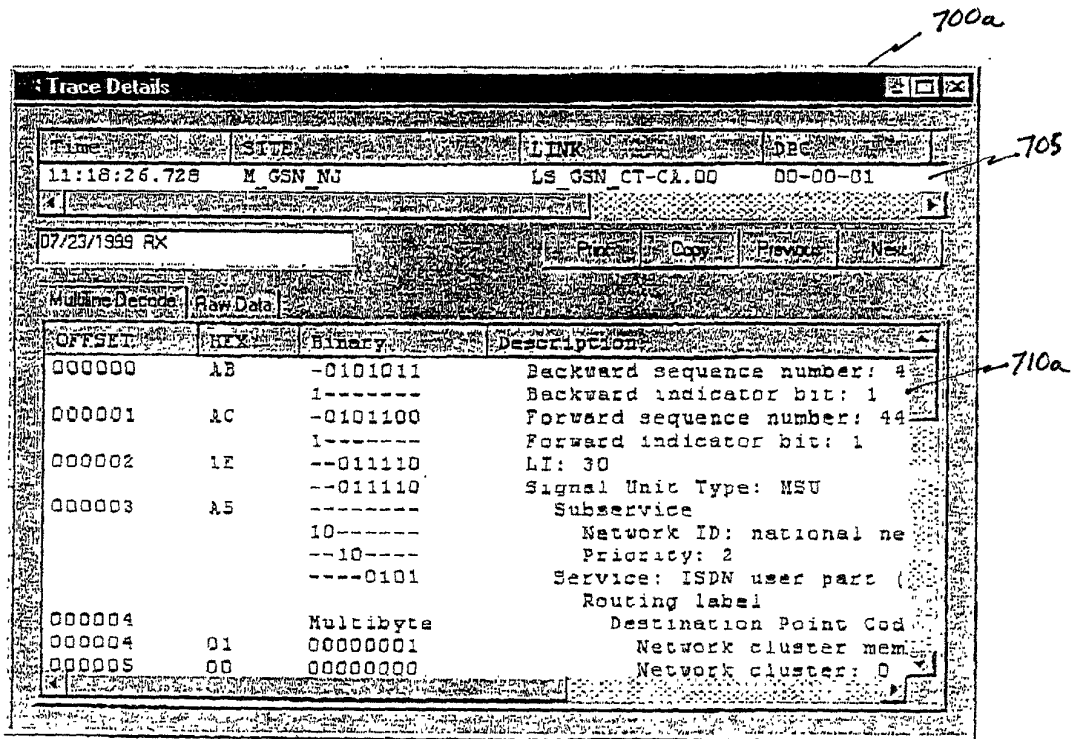


Figure 9-17. Trace Details dialog box showing the Multiline Decode view.

FIG. 7A

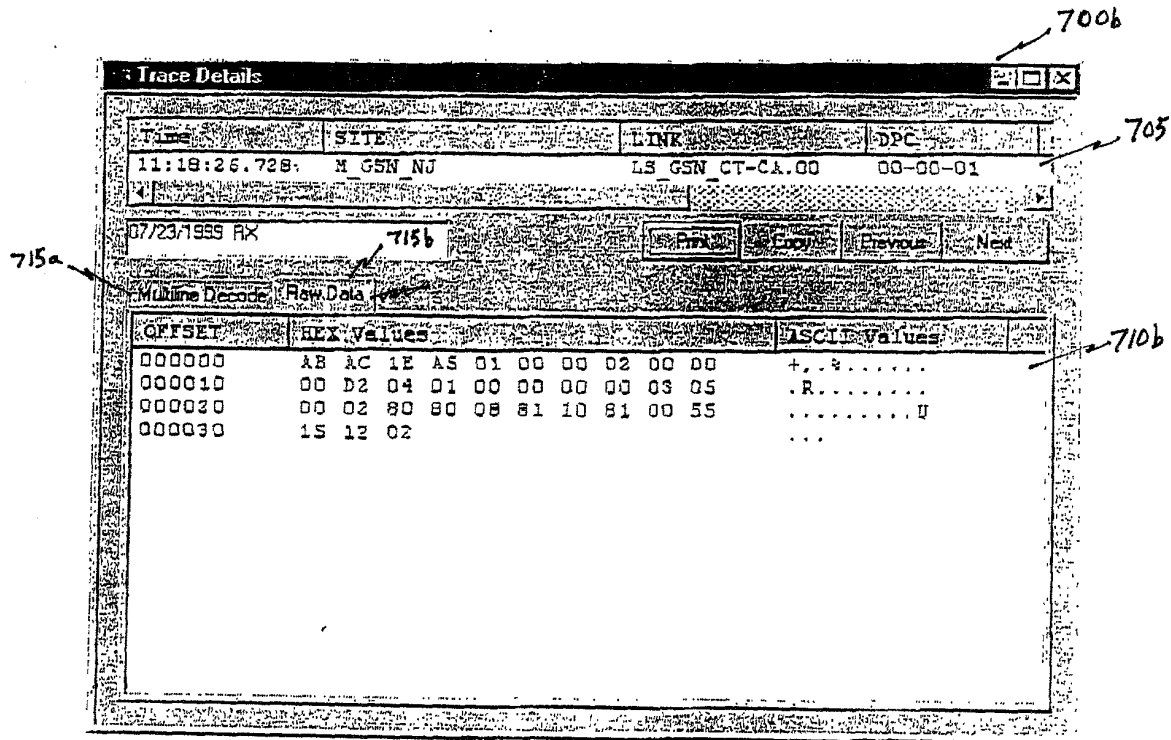


Figure 9-18. Trace Details dialog box showing the Raw Data view.

FIG. 7B



ProtocolDecode
<pre>Initialize(loadDefault : bool = true) : enum ProtocolDecode::DECODE_ERRORS getSLColumnCount(protocolName : const CString&amp;, headerType : const CString&amp;, colCount : int&amp;) : enum ProtocolDecode::DECODE_ERRORS getSLColumnWidth(protocolName : const CString&amp;, headerType : const CString&amp;, colIndex : const int, colWidth : int&amp;) : enum ProtocolDecode::DECODE_ERRORS getSLColumnHeader(protocolName : const CString&amp;, headerType : const CString&amp;, colIndex : const int, colName : CString&amp;) : enum ProtocolDecode::DECODE_ERRORS getSLColumnHeader(protocolName : const CString&amp;, headerType : const CString&amp;, colIndex : const int, colInfo : LV_COLUMN&amp;) : enum ProtocolDecode::DECODE_ERRORS decodeSLColumnText(protocolName : const CString&amp;, headerType : const CString&amp;, colIndex : const int, buffer : CBuffer&amp;, dataOut : CString&amp;) : enum ProtocolDecode::DECODE_ERRORS getMLColumnCount(protocolName : const CString&amp;, headerType : const CString&amp;, colCount : int&amp;) : enum ProtocolDecode::DECODE_ERRORS getMLColumnWidth(protocolName : const CString&amp;, headerType : const CString&amp;, colIndex : const int, colWidth : int&amp;) : enum ProtocolDecode::DECODE_ERRORS getMLColumnHeader(protocolName : const CString&amp;, headerType : const CString&amp;, colIndex : const int, colName : CString&amp;) : enum ProtocolDecode::DECODE_ERRORS getMLColumnHeader(protocolName : const CString&amp;, headerType : const CString&amp;, colIndex : const int, colInfo : LV_COLUMN&amp;) : enum ProtocolDecode::DECODE_ERRORS decodeMLColumnText(protocolName : const CString&amp;, headerType : const CString&amp;, colIndex : const int, colInfo : LV_COLUMN&amp;) : enum ProtocolDecode::DECODE_ERRORS getMLLineCount(protocolName : const CString&amp;, headerType : const CString&amp;, colIndex : const int, colIndex : const int, buffer : CBuffer&amp;, dataOut : CString&amp;) : enum ProtocolDecode::DECODE_ERRORS defineCustomHeader(protocolName : const CString&amp;, sirHeader : CStringArray&amp;) : int deleteCustomHeader(protocolName : const CString&amp;, headerName : const CString&amp;, headerArray : CStringArray&amp;) : enum ProtocolDecode::DECODE_ERRORS ProtocolDecode(pAppServices : CObject*) : ProtocolDecode</pre>

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Fig. 8